



ARR970U

**RCBO with dangerous arc detection 1M 20A C curve 6kA Type A 30mA**

**Technical characteristics**

**Electric current**

Rated current	20 A
Rated current -25°C	25.50 A
Rated current at -20°C	25 A
Rated current -15°C	24.50 A
Rated current -5°C	23.50 A
Rated current at 0°C	23 A
Rated current 5°C	22.50 A
Rated current 10°C	22 A
Rated current 15°C	21.50 A
Rated current at 20°C	21 A
Rated current 25°C	20.50 A
Rated current 35°C	19.60 A
Rated current at 40°C	19.20 A
Rated current at 45°C	18.80 A
Rated current 55°C	18 A
Rated current 60°C	17.60 A
Rated current 65°C	17.20 A
Rated current 70°C	16.80 A
Breaking and opening capacity $I_{dm}$	3 kA
Rated residual operating current $I_{dn}$	30 mA

**Architecture**

Curve	C
Type of pole	1P+N

**Main electrical attributes**

Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1	6 kA
Nominal tightening torque top terminal	2.40 - 2.40 Nm
Nominal tightening torque down terminal	3.50 - 3.50 Nm

**Safety**

Residual current type	A
-----------------------	---

**Voltage**

Rated insulation voltage $U_i$	400 V
Rated impulse withstand voltage $U_{imp}$	4,000 V

**Use conditions**

Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
<b>Endurance</b>	
Number of mechanical operations	8,000
Electric endurance in number of cycles	2,000
<b>Capacity</b>	
Number of modules	1
<b>Installation, mounting</b>	
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
<b>Dimensions</b>	
Height	125 mm
Width	17.50 mm
Depth	70 mm